

FIG. 1A

1	CGCGCCGCCGCGCCACCGCCCACTCGGGGCTGGCCAGCGCGCGCGCGCGGGGCGGCAGAGAACGGCCTTGCTGGGCGGAG	980
	M A P W L Q L C S V F P T V N A C L N G S Q L A	
81	CGCAGCGGCAATGGCCCCGTGGCTGCGACTTCTGCTCGCTCTCTTTACGGTCAACGGCTGCTCAACGGCTCGAGCTGGC	160
	V A A G C T G R A G R A G D T C G W R G V G P A S R N	
161	TGTGGCCGCTGGCGGGTTCGGCCGCGCGCGGGGCGCGCACCTGTGGCTGGAGGGGAGTGGGGCCAGCCAGCAGAAACA	240
	S G L Y N I T F K Y D N C T T Y L N P V G K H V I A D	
241	GTGGGCTGTACAACATCACTTCAAATATGACAATTGTACCACCTACTTGAATCCAGTGGGGAAGCATGTGATTGCTGAC	320
	A Q N I T I S Q Y A C H D Q V A V T I L W S P G A L G	
321	GCCCAGAATATCACCATCAGCCAGTATGCTTGCCATGACCAAGTGGCAGTCACCATTCTTTGGTCCCCAGGGGCCCTCGG	400
	I E F L K G F R V I L E E L K S E G R Q C Q Q L I	
401	CATCGAATTCTGAAAGGATTTCGGGTAAATCTGGAGGAGCTGAAGTTCGGAGGGAAGACAGTGCACCAACTGATTCTAA	480
	K D P K Q L N S S F K R T G M E S Q P F L N M K F E T	
481	AGGATCCGAAGCAGCTCAACAGTAGCTTCAAAAGAACTGGAATGGAATCTCAACCTTTCTGTAATATGAAATTTGAAACG	560
	D Y F V K V V P F P S I K N E S N Y H P F F F R T R A	
561	GATTATTTCGTAAGGTTGTCCCTTTTCTCCATTAAAAAGCAAGCAATTACCACCTTTCTTCTTTAGAACCCGAGC	640
	C D L L L Q P D N L A C K P F W K P R N L N I S Q H	
641	CTGTGACCTGTGTGTACAGCGGGAACAATCTAGCTTGTAAACCTTCTGGAAGCCTCGGAACCTGAACATCAGCCAGCATG	720
	G S D M Q V S F D H A P H N F G G T F T Y L H Y K L K	
721	GCTCGGACATGCAAGTGTCTTCGACCAAGCAGCGCAACCTTCGGTTTCGGTTTCTTCTTCTTCACTACAAGCTCAAG	800
	H E G P F K R K T C E Q E Q T T E M T S C L L Q N V S	
801	CACGAAGGACCTTTCAAGCGAAAGACCTGTGAGCAGGAGCAAACTACAGAGATGACAGCTGCCTCTCTCAAAAATGTTTT	880
	P G D Y I I E L V D D T N N T R K V M H Y A L K P V	
881	TCCAGGGGATTATAATATGAGCTGGTGGATGACATACCAACAAGAAAGATGATGCAATTGCTTTAAAGCCAGTGC	960
	H S P W A G P I R A V A I T V P L V V I S A F A T L F	
961	ACTCCCGTGGCGCGGCGCCATCAGAGCGCGTGGCCATCAGTGGCACTGGTAGTCATTCGGCATTCGGCAGCGCTCTTC	1040
	T V M C R K K Q Q E N I Y S H L D E S S E S S T Y T	
1041	ACTGTGATGTGCGCGAAGAAGCAACAAGAAATATATATTACATTAGATGAAGAGAGCTCTGAGTCTTCCACATACAC	1120
	A A L P R E R E L R P R P K V F L C Y S S K D G Q N H	
1121	TGCAGCATCCCAAGAGAGAGGCTCCGGCCGCGGCCGAAGGCTTTCTCTGCTATTCCAGTAAAGATGGCCAGAATCACA	1200
	M N V V Q C F A Y F L Q D F C G C E V A L D L W E D F	
1201	TGAATGTGCTCCAGTGTTCGGCTACTTCTCCAGGACTTCTGTGGCTGTGAGGTGGCTCTGGACCTGTGGGAAGACTTC	1280
	S L C R E G Q R E W V I Q K I H E S Q F I V V C S K	
1281	AGCCTCTGTAGAGAAGGCGAGAGAATGGGTATCCAGAAGATCCACGAGTCCAGTTCATCATCTGTGGTTGTTCCTCAA	1360
	G M K Y F V D D K K N Y K H K G G G R G S G K G E L F	
1361	AGGTATGAAGTATTGTGGACAAGAAGAACTACAAACAAGAAGAGGTGGCCGAGGCTCGGGGAAAGAGAGCTCTTCC	1440
	L V A V S A I A E K L R Q A K Q S S S A A C L S K F I A	
1441	TGGTGGCGGTGTGACGCAATTGCGCAAAAGCTCCGCGCAGGCGAAGCAGAGTCTGCTCGCGGCGCTCAGCAAGTTTATCGCC	1520
	V Y F D Y S C E G D V P G I L D L S T K Y R L M D N L	
1521	GTCTACTTTGATTATTCTGCGGAGGAGAGCTCCCGGTATCTAGACCTGAGTACCAAGTACAGACTCATGGACAATCT	1600
	P Q L C S H L H S R D H G L Q E P G Q H T R Q S R	
1601	TCTCAGCTCTGTCTCCCATCTGACTCCCGAGACCAAGCGCTCCAGGAGCGGGGAGCAGCAGCGACAGGGGACAGAA	1680
	R N Y F R S K S G R S L Y V A I C N M H Q F I D E E P	
1681	GGAACTACTTCGGAGCAAGTCAGGCGCGTCCCTATACGTTCGCAATTGCAACATGCACCATGTTTATGACGAGGAGCC	1760
	D W F E K Q F V P F H P P L R Y R E P V L E K F D S	
1761	GACTGGTTGAAAAGCAGTTCGTTCCCTTCCATCTCTCCACTGCGCTACCGGAGCCAGCTTTGGAGAAATTGATT	1840
	G L V L N D V M C K P G P E S D F C L K V E A V L	
1841	GGGCTTGTTTAAATGATGTATGTGCAAAACAGGGCCTGAGATGACTTCTGCCTAAAGGTAGAGGCGGCTGTTCTTG	1920
	G A T G P A D S Q H E S Q H G G L D Q D G E A R P A L	
1921	GGGCAACCGGACCGGCACTCCCGACAGAGATCAGCATGGGGGCTTGACCAAGACGGGGAGGCCCGGCTGCCCTT	2000
	D G S A A L Q P L L H T V K A G S P S D M P R D S G I	
2001	GACGGTAGCGCGCCCTGCAACCCCTGCTGCACCGGTGAAAGCCGCGAGCCCTCGGACATGCCCGGGGACTCAGGCAT	2080
	Y D S S V P S S L S L P L M E G L S T D Q T E T S	
2081	CTATGACTCGTGTGCGCTTCCAGAGCTGTCTTGCCAAGTATGGAAGACTCTCGAGCGGACAGACAGAAAGCTCTT	2160
	S L T G E S V S S S S G L G E E E P P A L P C S K L L S S	
2161	CCCTGACGAGAGCGTCTCTCTCTTCAGGCTGGGTGAGGAGGAACCTCTGCGCTTCTTCCAGCTCCTCTCTTCT	2240
	G S C K A D L G C R S Y T D E L H A V A P L *	
2241	GGGTATGCAAAAGCAGATCTTGGTTGCCGAGCTACACTGATGAATCCACGCGGTGCGCCCTTTGTAAACAAAAGCAAG	2320
	A G T C T A A G C A T T G C C A T T G A G T C T G C C T C C C T G A T T C C C A G C T C A T T C C C T G T T G C A T G C C C A T T G G A C	2400
2401	TGAGGTCATACAAAGGATATTGGAGTGAATGCTGGCCAGTACTTGTTCTCTCTTCCGCCAACGCTTACCGGATATC	2480
	T T G A C A A A C T C C A A T T T C T A A A T G A T A G G A C T C T G A A G G C A T G C C A T A A G G T C T G A C A A C A G C T T G C C A A T	2560
2481	TTGGTATGCTCTGGATCAGAGCTGTGTGGGAGTAGGGAGGAAATGTGAAGAAAGAAACAGGAAGATACCTGCACTA	2640
	A T C A T T C A G C A C T T C A T T G A C T G C A A A C T T T G C T G T T G C A T T G G C A C T T G A T T G A A A T G C T T T G A A A A A A	2720
2561	GGCAGCTTTTAACATCATAGCCACAGAAATCAAGTGCCAGTCTATCGGAATCCATGTGTGATTGCAGATATGTTCTCAT	2800
	T T A T T T T G A T G A A A T T A C T G C C A T G G G T G T A A A T A A G C T T T G A T C A A A G T C A A A A G T A C T G A A T A T A C	2880
2641	AGTCACCTTTTATGAATAGTCTCTGTGTTACTGGGTGGCATGACTGATTGAGGTGAAGCTCAGCGGGCCAGGCTGACC	2960

2961	GTCTTGACCGTTCCACTTGAGATAGGTTGGTCATCGTGCAGAAGGCCCCAGGACCTCAGCACACAGCCTCCTCTTGGT	3040
3041	CTGAGTAGGCATCATGTGGGGCCAGATCTGCCTGCTGTTTCCATGGGTTACATTTACTGTGCTGTATCTCAGATGTTGG	3120
3121	TGTCCTGGGAAGTTTATTCTTAAGAGACTGCTACCCAGCTGGTCTGTATTATTGGAAGTTGCAGTTTCGTGCTTTGGTTGGCC	3200
3201	TTCTGGTCTAAAGCTGTGTCTGAATATTAGGGATCACAATTCAGTGAATACAGCAGTGTGTGGAGGTGATGGCCAGTT	3280
3281	AATCTGCTGAACCTGGTTTGAATAATGACAAACCTCTTTTAAAGATGGTAGAATGAGGTTGATAGTCACAAAAGTAAATG	3360
3361	TTCCATTTTATGAATGACTTTCTACAGAGTTTCTATTCTAAAGAAAAACAATTGTTACATCCCATCTGATGATTAG	3440
3441	CATGTGTGAATGAATGCTGTCTTGGTCTCCCTGTGGAAACCCCTCTCCCTGTGCCTTAGAGCAGGTGTGTACATCTCT	3520
3521	CACTACCTTTCTCATGGGTGCTGTAGATTTGGCACCCGTTTCTCAGCATTAGCCAGGGAATGTGGTTTCACTTC	3600
3601	TTCCGTGAGATAAGACCAACATGAAGGGGTATGTTGAGAAACATCTGAGGCAAGGTGGGAGGTGGGATGGGGCAGGACTT	3680
3681	TCCCTTCCAAGCACATGCATGGCAGGTGGGAAAGGGGGGCTTGCACCCCTGCTGGAAAGAAAAGGTTTGTGTATTTTC	3760
3761	TGATGCRAATGTCTACTCACTGCTCTGTAAAGGCAGCTGGCAGCTTTTGGGAAAAGAACGTGCTGCTGTCTCTGG	3840
3841	CATCAAGTTTCTTGACGCTGCTCTGAGGGAGAGACAGTGAGCTGCAAGACTGCCTCCCATAAACAACAGGCAACTCAGAG	3920
3921	AAGAGTCATTTTATGTTGTTCCATGGAATCTGGAATGAGTGCAGAGCTCTACCCACACATGACTGCCCCGCCATTTCA	4000
4001	TCCTAGGCATTCTGTGAAGGAGATTGGTTAGTCCAACTTGCTAACATACGAAAATTCATTTGGAACATGATGAGAGATT	4080
4081	TCTTATTGAGGCCAAGAGATGTTTCTGTCCAGAGGAACCATAGGAGTCGCTTTTAGGGTATTAGCTTTGTTTATGA	4160
4161	AATAAGGCATCTCTGAGAAAGTGGCCCCAGGGAGAGAAATGGAGGACTGGGAGGAGAACATTAACTGAGCTCCAGGGTG	4240
4241	TGTGGGCAGAGAGCTTGTATGTGAACTCACTCCTTAAGAAAAATGGAAGAGAAAAAGAGAGTGTAGTTAAAAAATCGGG	4320
4321	ATGTTTATAGTTTGGATTAGGGTTTGTATCTTATGTTGAAATACTAATGTTTCTGATCAATAAAATCAAACTCTTAATA	4400
4401	TACCGAGTAATGAAACCATAGTGTGATTGCCTCAGAAATAAATTGAGAAGTCCAAAAAAAAAAAAAAAAAAAAAAAAA	4477

FIG.1A ( Cont'd )

		10	20	30	40	50	60	
hIL-17RLM-L	1	MAFWLQLCNVPTVNACLNLSQLAVAAGSGRARGADTCGWRGVGPAARNRGLYNITPKY						60
hIL-17RLM-S	1	-----						1
		70	80	90	100	110	120	
hIL-17RLM-L	61	DNCTTYLNPVGKHVIADAQNITISQYACHDQAVTILWSPGALGIEPLKGFVILEELKRS						120
hIL-17RLM-S	1	-----						1
		130	140	150	160	170	180	
hIL-17RLM-L	121	EGRCQQQLIKDPEKQLNNSPKRTGMESEQFFLNMKFETDYFVKVVFPPSIKNESENYHPPFF						180
hIL-17RLM-S	1	-----MESEQFFLNMKFETDYFVKVVFPPSIKNESENYHPPFF						36
		190	200	210	220	230	240	
hIL-17RLM-L	181	RTACDILLQPDNLACKPFWKPRNLNISQHGSDMQVSPDHAPHNFGFRFFYLHYKLKHEG						240
hIL-17RLM-S	37	RTACDILLQPDNLACKPFWKPRNLNISQHGSDMQVSPDHAPHNFGFRFFYLHYKLKHEG						96
		250	260	270	280	290	300	
hIL-17RLM-L	241	PFRRKTCEQEQTTEMTSCLLQNVSPGDYIELVDDTNTTRKVMHYALKPVHSPWAGPIRA						300
hIL-17RLM-S	97	PFRRKTCEQEQTTEMTSCLLQNVSPGDYIELVDDTNTTRKVMHYALKPVHSPWAGPIRA						156
		310	320	330	340	350	360	
hIL-17RLM-L	301	VAITVPLVVISAFATLFTVMCRKKQENIYSHLDEESSESSSTYTAALPRERLRPRPKVFL						360
hIL-17RLM-S	157	VAITVPLVVISAFATLFTVMCRKKQENIYSHLDEESSESSSTYTAALPRERLRPRPKVFL						216
		370	380	390	400	410	420	
hIL-17RLM-L	361	CYSSKDGQNHMNVVQCFAFYFLQDFCGCEVALDLWEDFSLCREGQREWVIQKIHESQPTIV						420
hIL-17RLM-S	217	CYSSKDGQNHMNVVQCFAFYFLQDFCGCEVALDLWEDFSLCREGQREWVIQKIHESQPTIV						276
		430	440	450	460	470	480	
hIL-17RLM-L	421	VCSKGMKYFVDKKNYKHKGGGRGSGKGEFLVAVSAIAEKLRQAKQSSSAALSKPIAVYF						480
hIL-17RLM-S	277	VCSKGMKYFVDKKNYKHKGGGRGSGKGEFLVAVSAIAEKLRQAKQSSSAALSKPIAVYF						336
		490	500	510	520	530	540	
hIL-17RLM-L	481	DYSCEGDVPGLDLSTKYRLMDNLPQLCSHLHSRDHGLQEPGQHTROGSRARNYFRSKSGR						540
hIL-17RLM-S	337	DYSCEGDVPGLDLSTKYRLMDNLPQLCSHLHSRDHGLQEPGQHTROGSRARNYFRSKSGR						396
		550	560	570	580	590	600	
hIL-17RLM-L	541	SLYVAICNMHQFIDEEDWFEKQFVFFHEPPLRYREPVLKFPDGLVINDVMCKPGPESD						600
hIL-17RLM-S	397	SLYVAICNMHQFIDEEDWFEKQFVFFHEPPLRYREPVLKFPDGLVINDVMCKPGPESD						456
		610	620	630	640	650	660	
hIL-17RLM-L	601	FCLKVEAAVLGATGPADSQHESQHGGLDQDGEARFALDGSAAALQPLLHTVKAGSPSDMPR						660
hIL-17RLM-S	457	FCLKVEAAVLGATGPADSQHESQHGGLDQDGEARFALDGSAAALQPLLHTVKAGSPSDMPR						516
		670	680	690	700	710	720	
hIL-17RLM-L	661	DSGIYDSSVPSSELSPPLMEGLSTDQTETSSLTESVSSSSGLGEEEPALPSKLLSSGSC						720
hIL-17RLM-S	517	DSGIYDSSVPSSELSPPLMEGLSTDQTETSSLTESVSSSSGLGEEEPALPSKLLSSGSC						576
		730						
hIL-17RLM-L	721	KADLGCRSYTDELHAVAPI						739
hIL-17RLM-S	577	KADLGCRSYTDELHAVAPI						595

FIG. 1B

```

IL-17AR      353 EKYSDDTKYTDGLPAADLIFFELKPRKVIITSA-DHPLYVDVVLKFAQFILTACGTEVA 411
               E+ S+ + YT LF L F E KV++ YS+ D +++VV FA FL CG EVA
hIL-17RLM-L 335 EESSSTTYTAALPRENLPRF-----KVFLCYSSRDGQNMNVVQCFAYFLQDFCGCEVA 390

IL-17AR      412 LDIIEEQAISEAGVMTVVGGRQKQEMVESNSKIIVLCSPGTR-----ARVQALLGRGAPVRL 467
               LDI E+ ++ G WV + + + IIV+CS+G + K G G
hIL-17RLM-L 391 LDIWEDFSLCREGQRETV-----IQKIHESQFLIVCSNGMKYFVDNKVYKHGCG----- 441

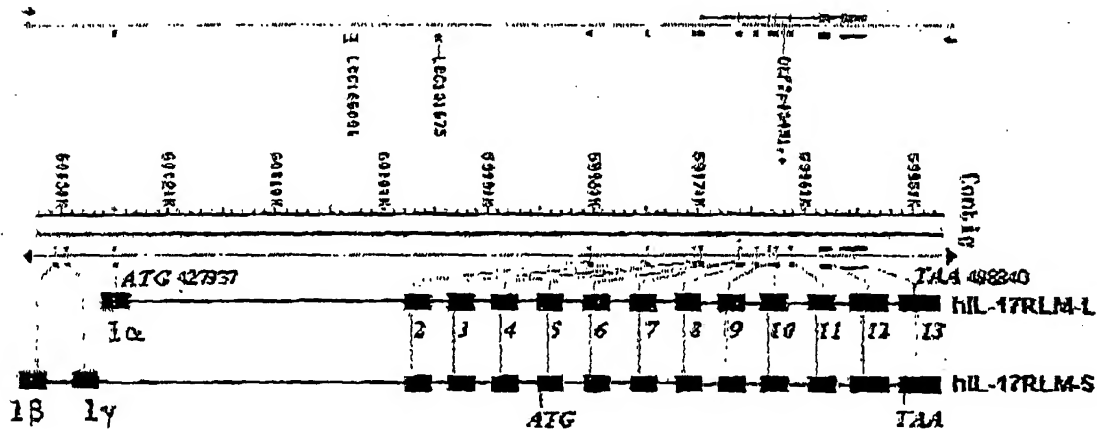
IL-17AR      468 RCDHGKPVGDLETAAMNMLLPDFKR-----FACFGTYVVCYFSEVSCDGDVFDLFGAAPR 522
               G G+LF A++ I ++ A ++ YE + SC+GDVF + + +
hIL-17RLM-L 442 ---AGSGKGLELVAVSATAEKLRQAKQSSSAALSKFIAYFE-DYSCGEGDVEGILDSTK 497

IL-17AR      523 YPILMDRFEFV--YFRIQDLEMFQPGRMHVRGELSGDNYLRSPGGROIRAAALDRFRDQVR 580
               Y LMD ++ + +D + +PG+ R G S NY RS GR L A+ +
hIL-17RLM-L 498 YRLMDNLPQLCSHLHSRDLGLQEPGQHTBOG--SRNRYRKSXSGSLYVAICNMHQFIDE 555

IL-17AR      581 CPDWFE 586
               PDWFE
hIL-17RLM-L 556 EPDWFE 561

```

FIG. 1C



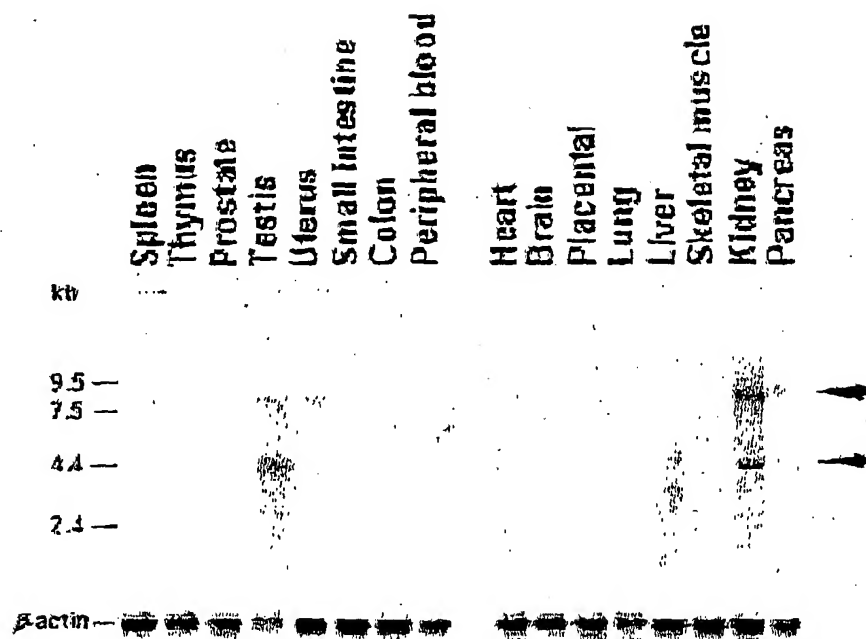


FIG. 2A

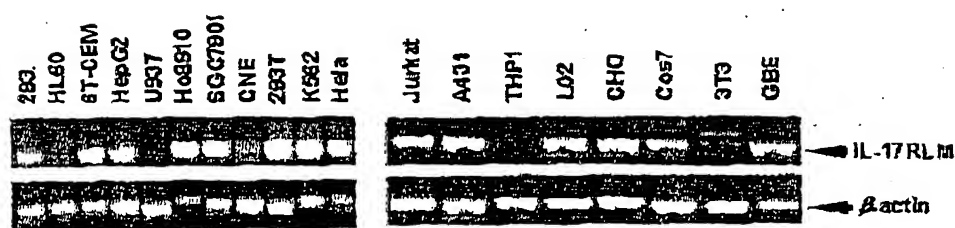


Fig. 2B

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FIG. 2C

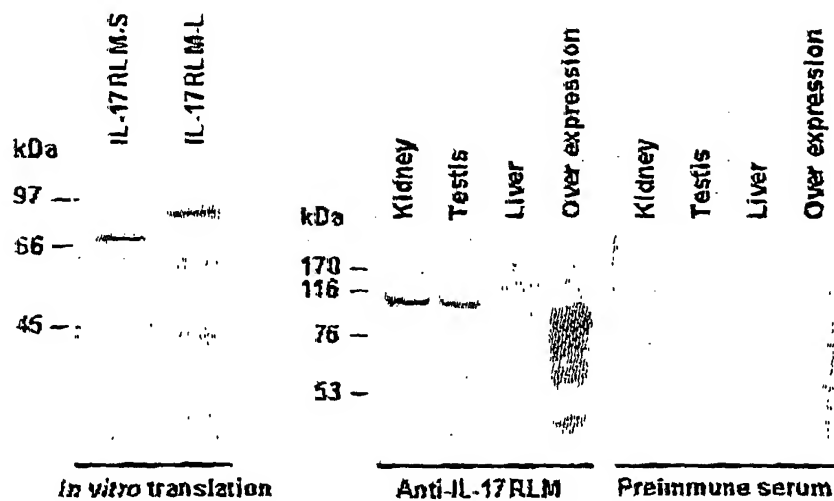
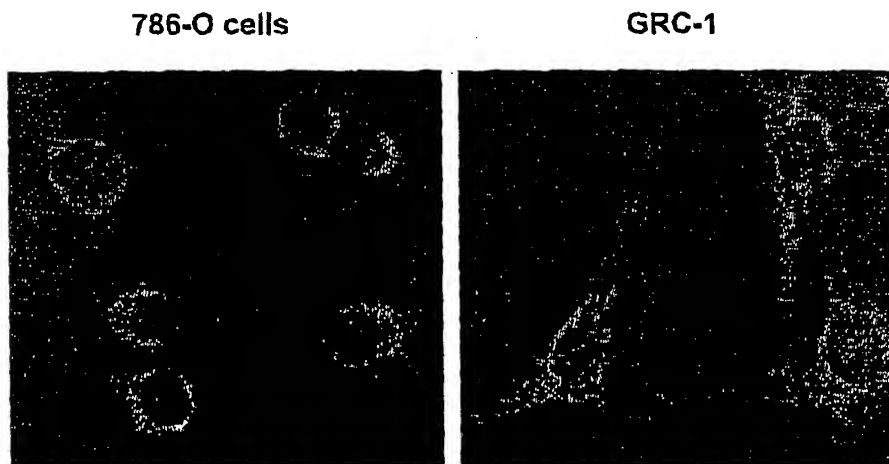
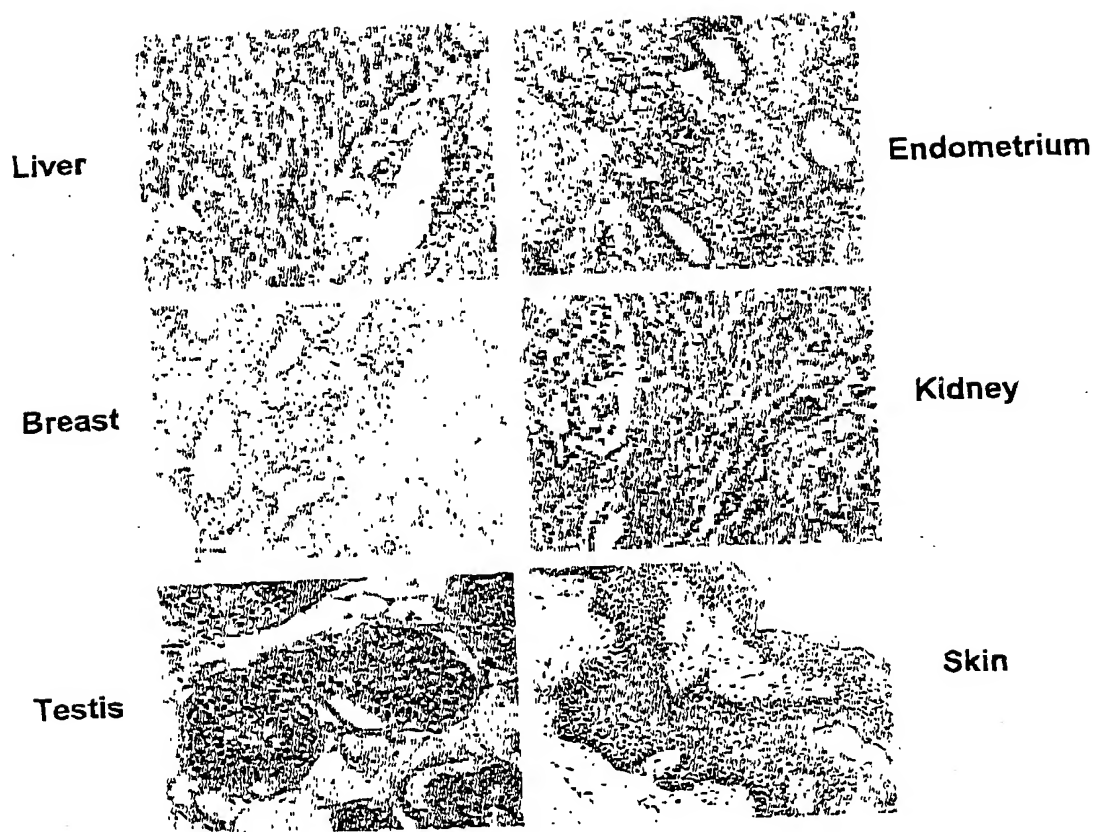


FIG. 2D



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**FIG. 2E**



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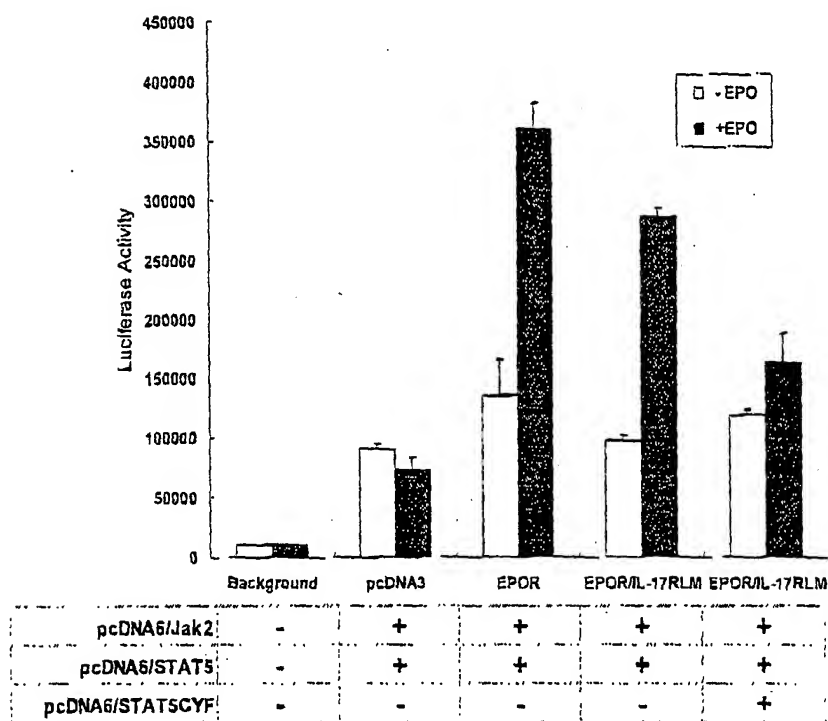
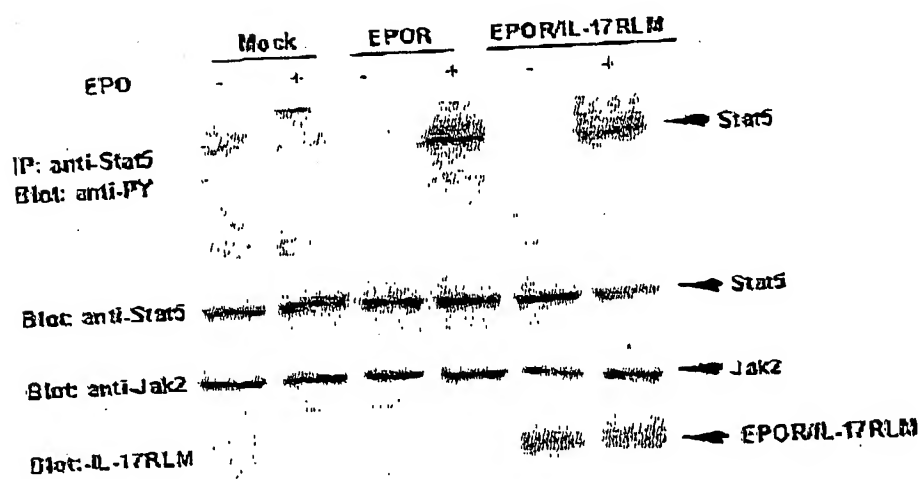


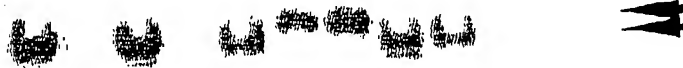
FIG. 3A



**FIG. 3B**

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Antibody:	-	-	-	-	-	-	5ab	5b	3	1	-	-	-
Competitor:	-	-	-	-	-	s	ns	-	-	-	-	-	-
Stat5CYF	-	-	-	-	-	-	-	-	-	-	-	+	+
EPO:	-	+	-	+	-	+	+	+	+	+	+	-	+
	<u>mock</u>		<u>EPOR</u>		<u>EPOR/IL-17RLM</u>						<u>EPOR/IL-17RLM</u>		
											<u>IL-17RLM</u>		



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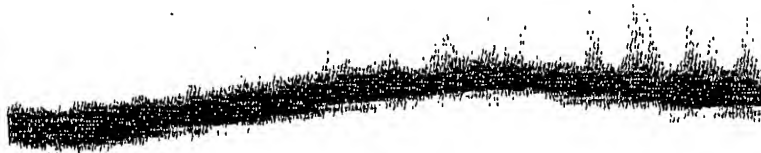
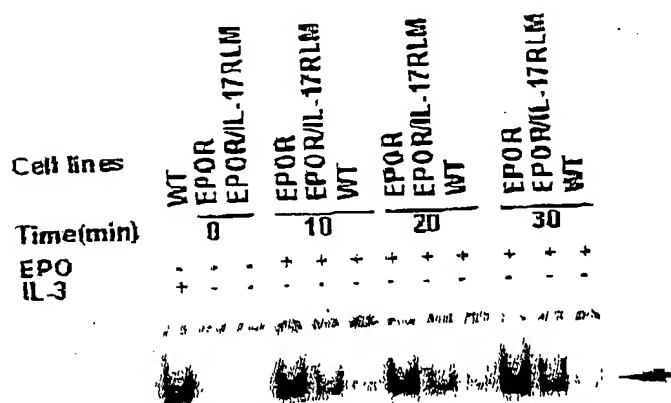


FIG. 3C

FIG. 3D

FIG. 3E



Cell lines	B2/F3	EPOR	EPOR/IL-17RLM
Competitor	-	-	-
EPO	-	-	-
Antibody	-	-	-



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FIG. 4A

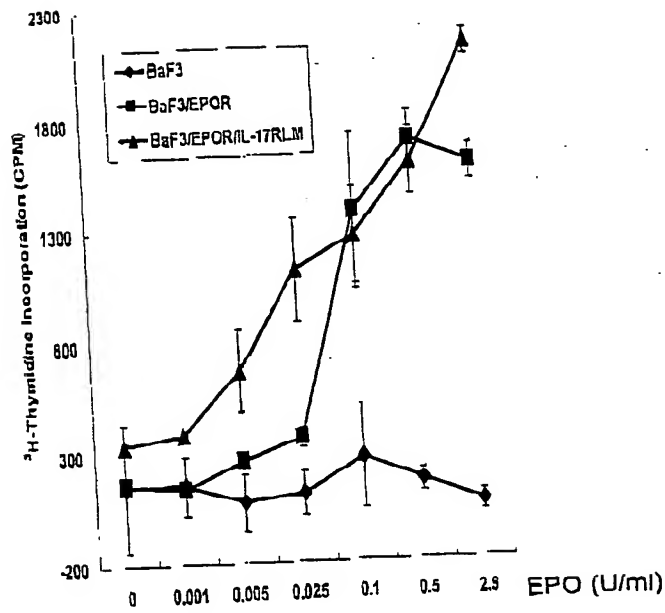
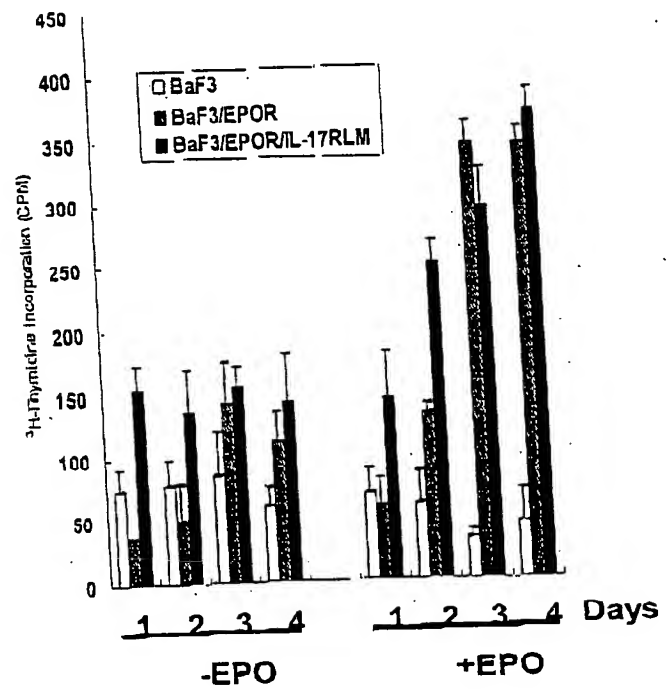
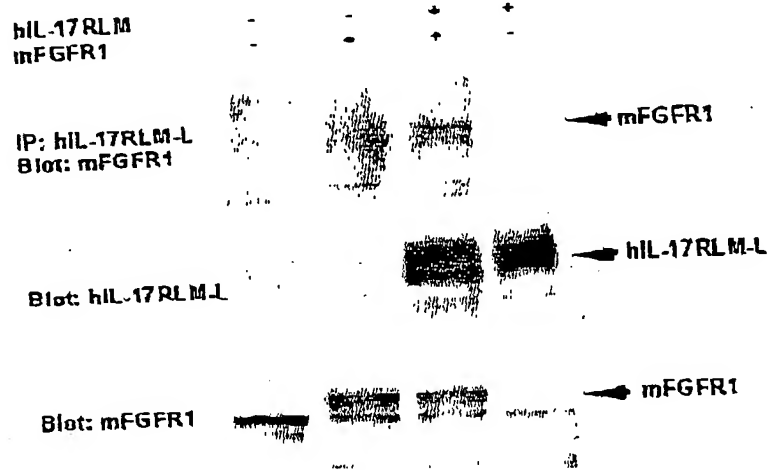


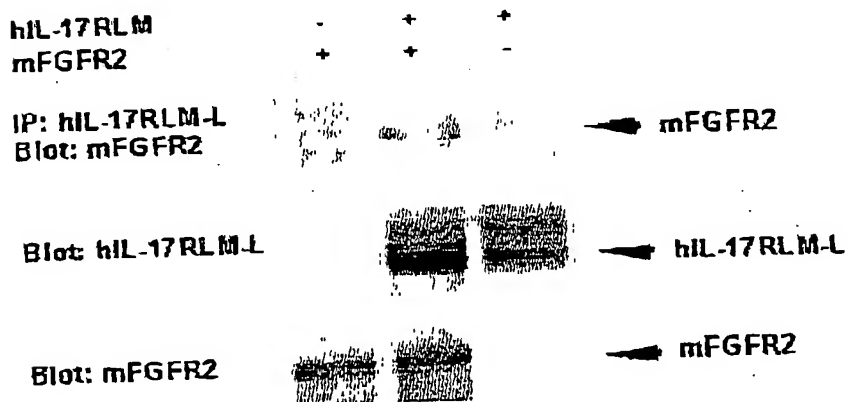
FIG. 4B



**FIG.5A**

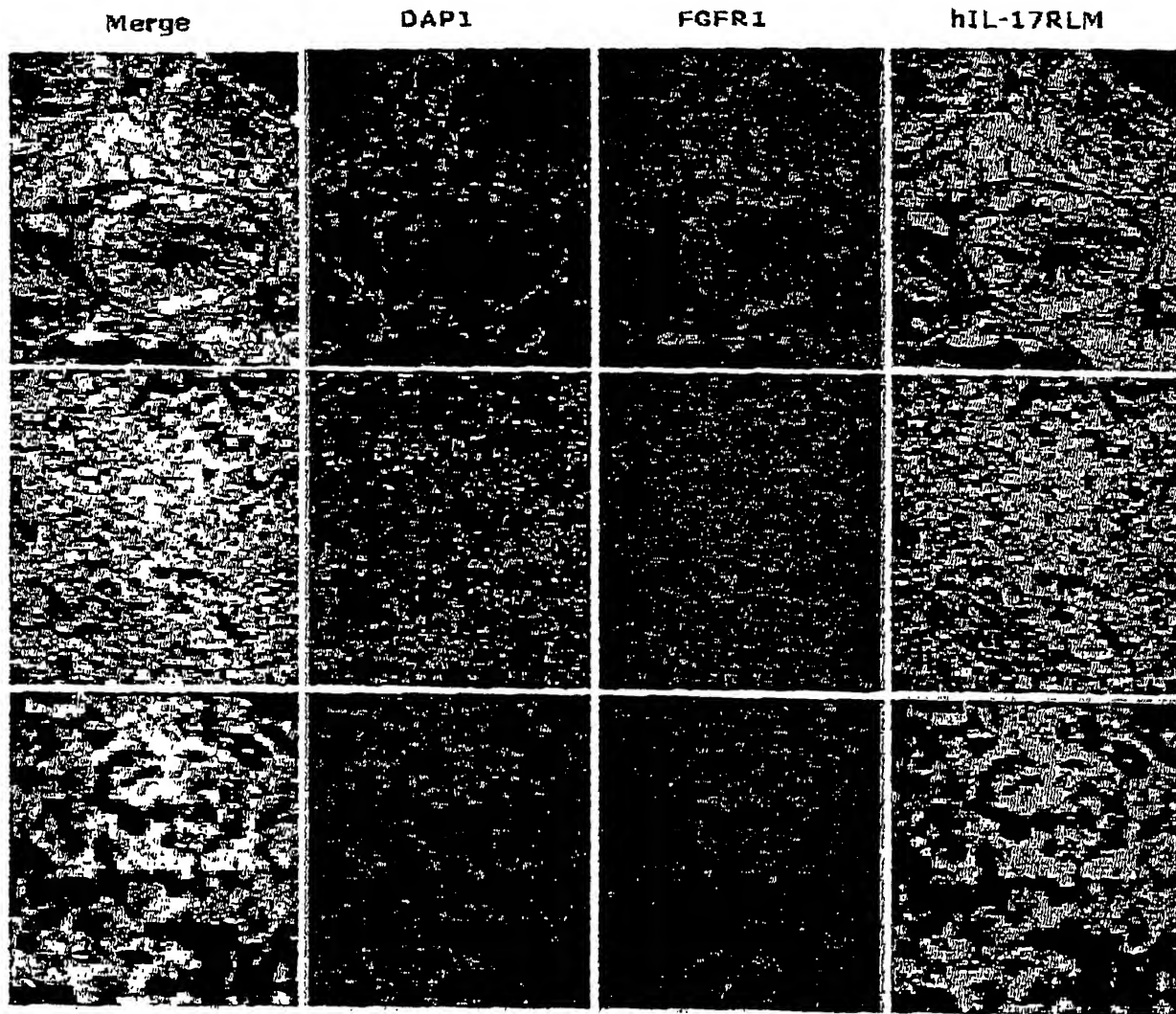


**FIG. 5B**



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**FIG. 5C**



**BEST AVAILABLE COPY**

**FIG. 5D**



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FIG. 6A

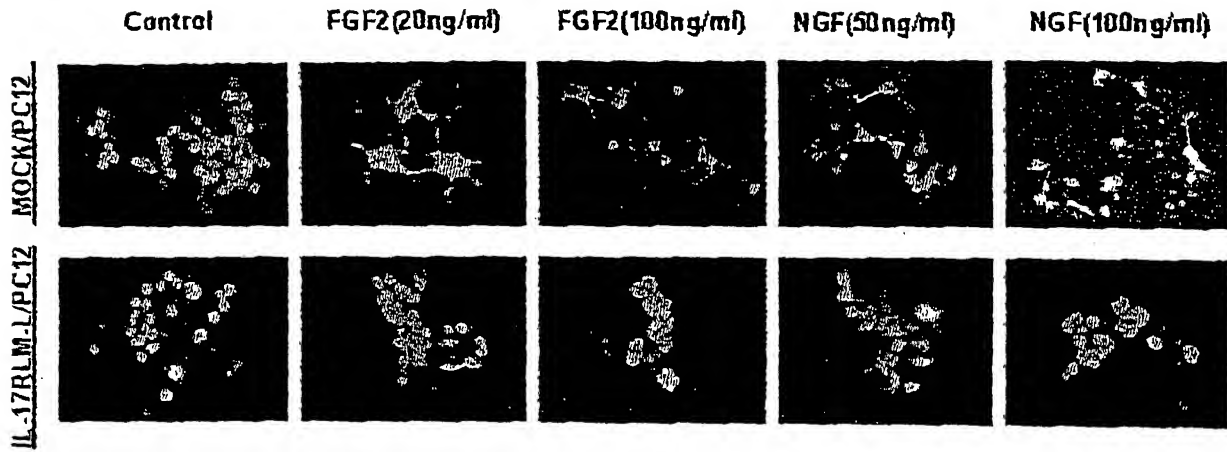
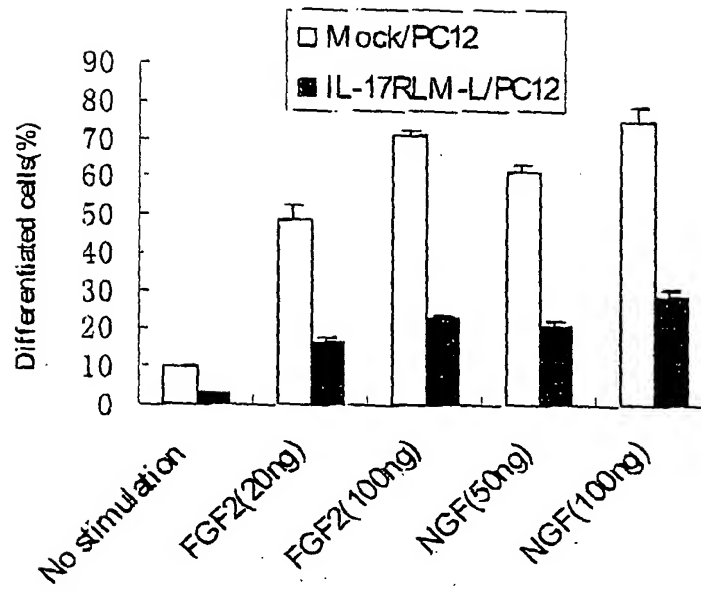


FIG. 6B



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FIG. 6C

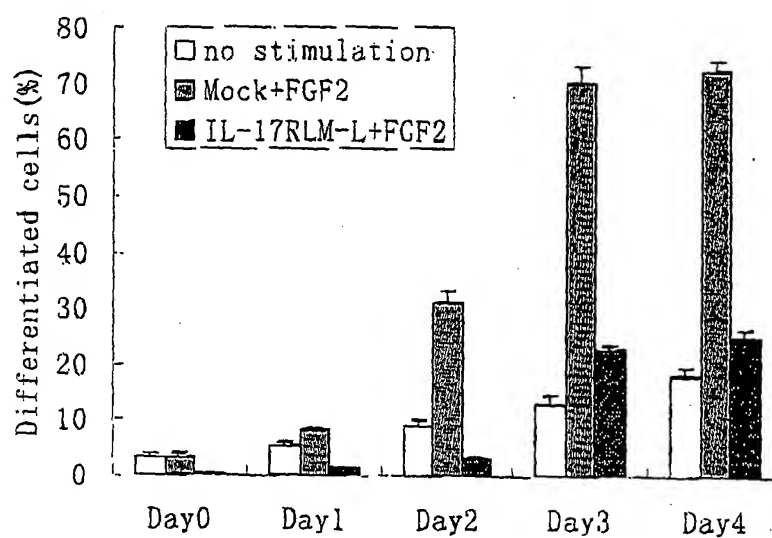


FIG. 6D

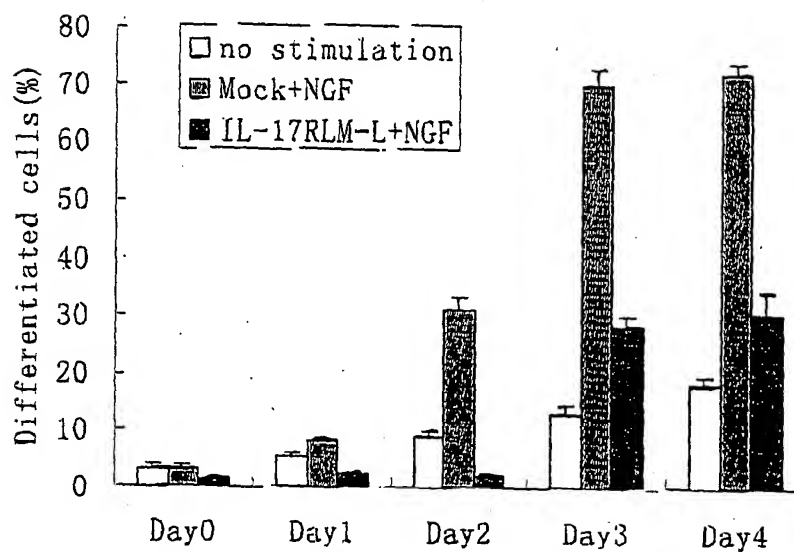
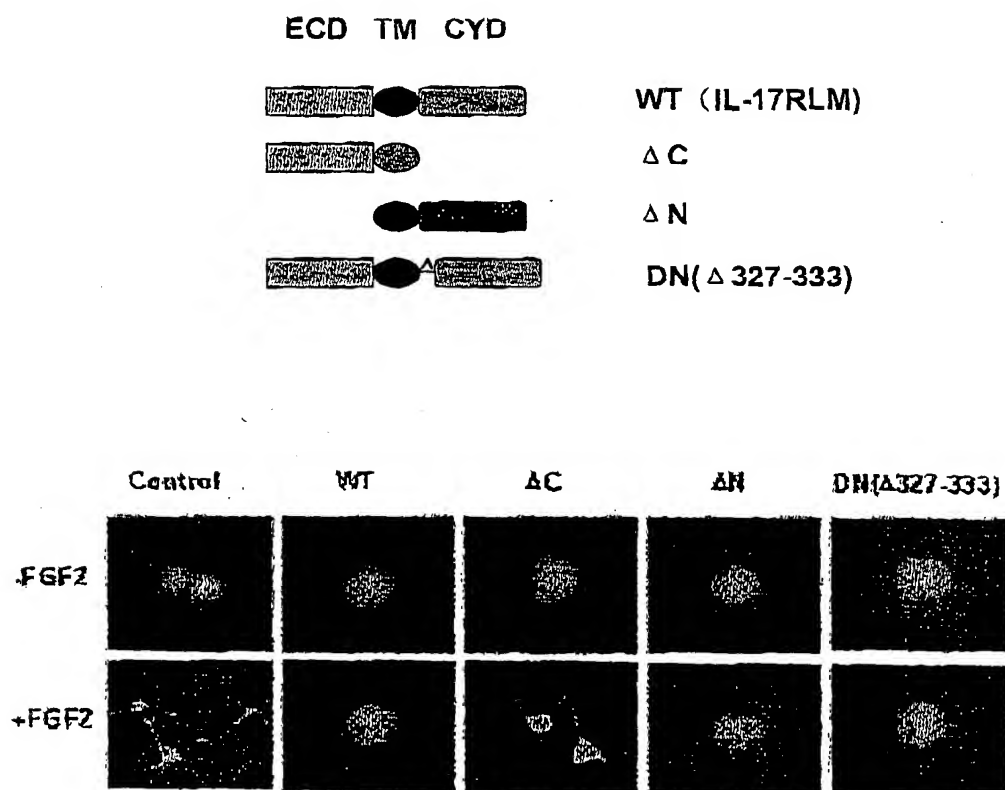
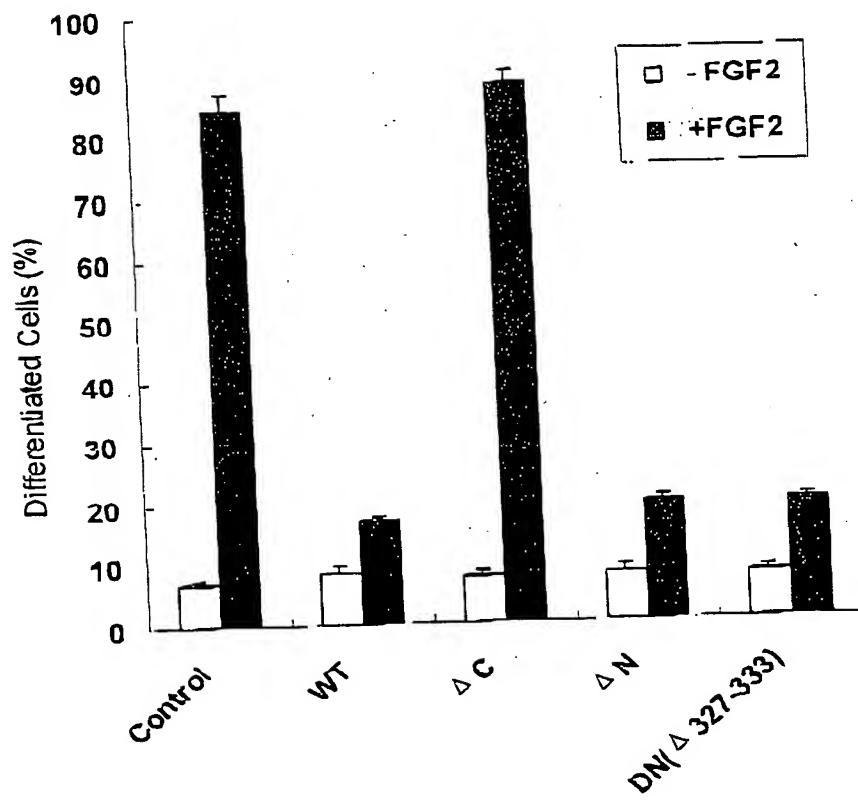


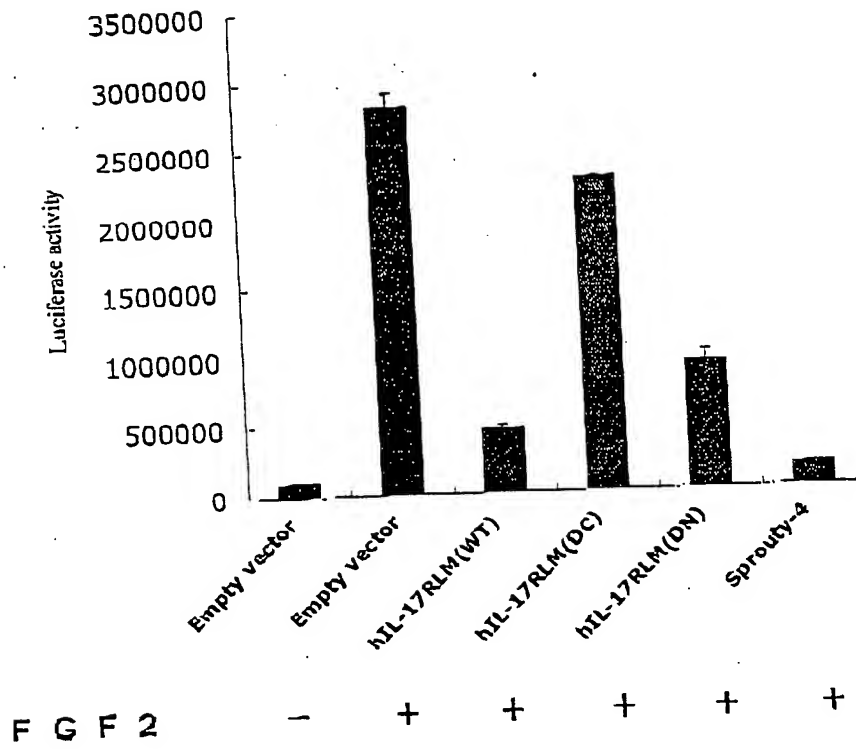
FIG. 6E



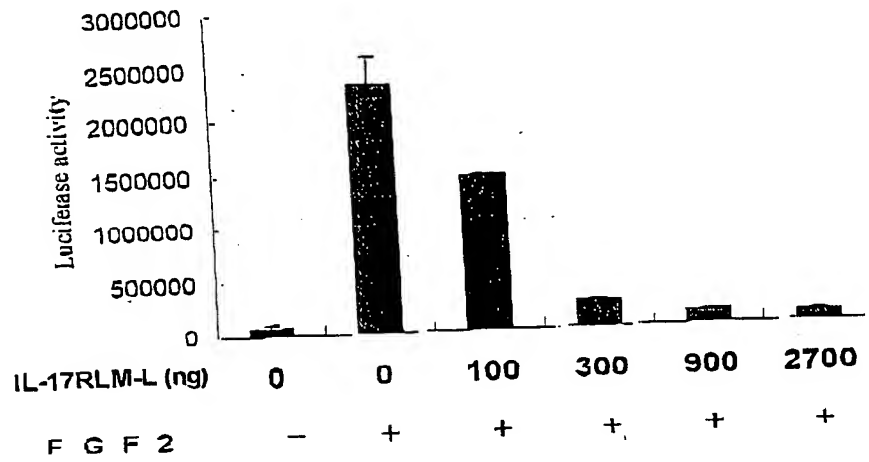
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FIG. 6F



**FIG. 7A**

**FIG. 7B**



**FIG. 7C**

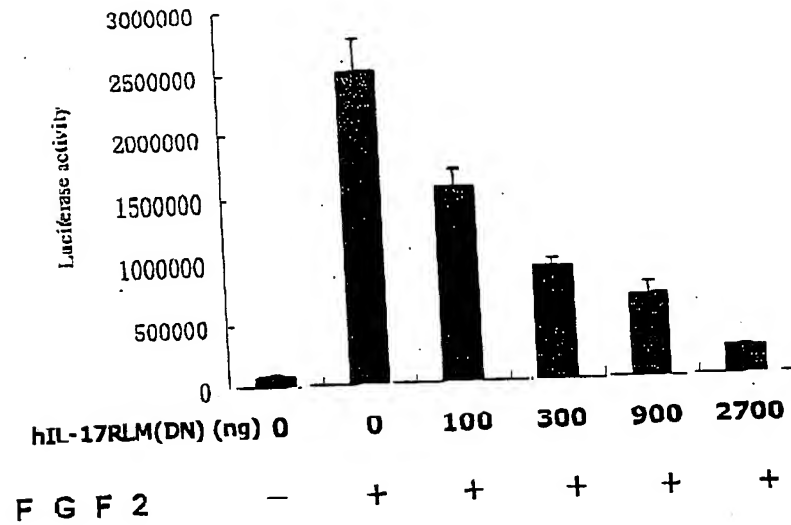


FIG. 7D

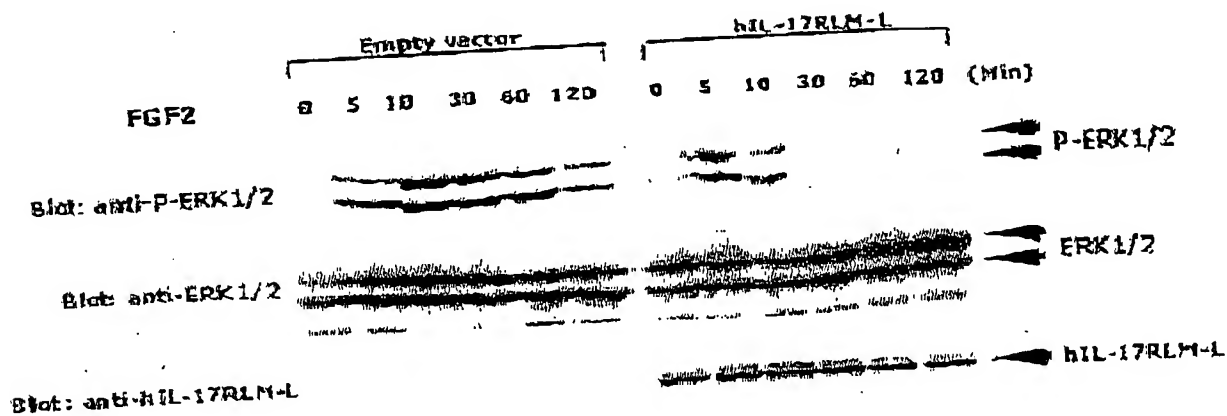
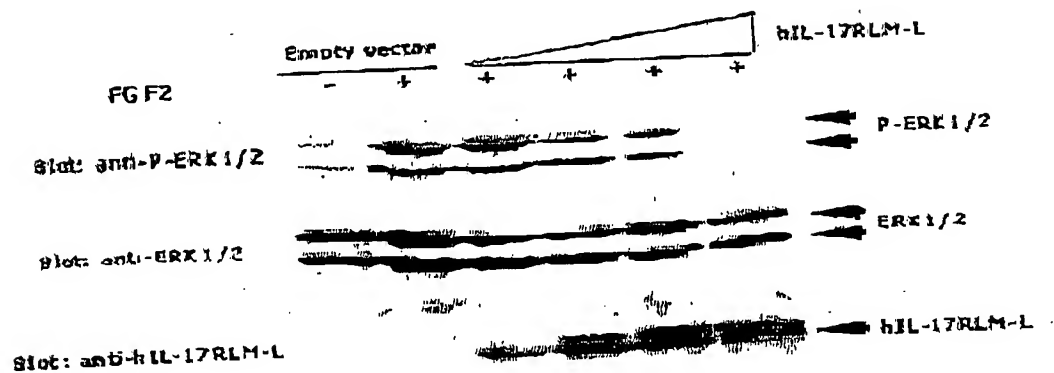
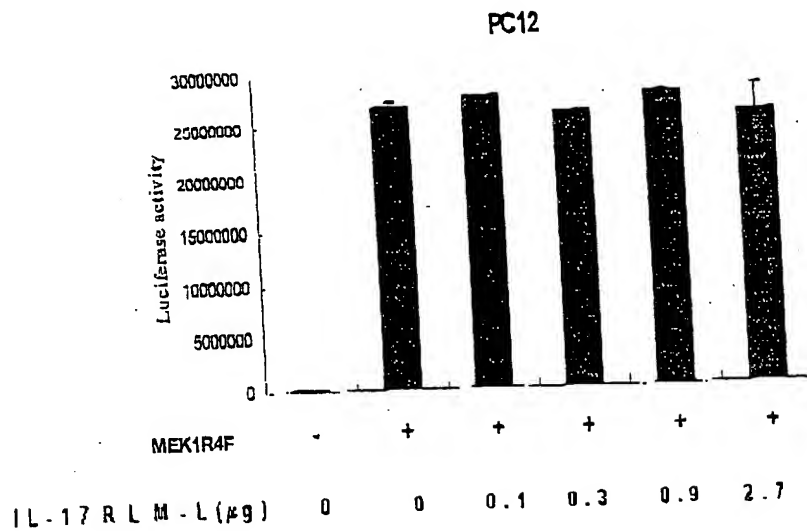


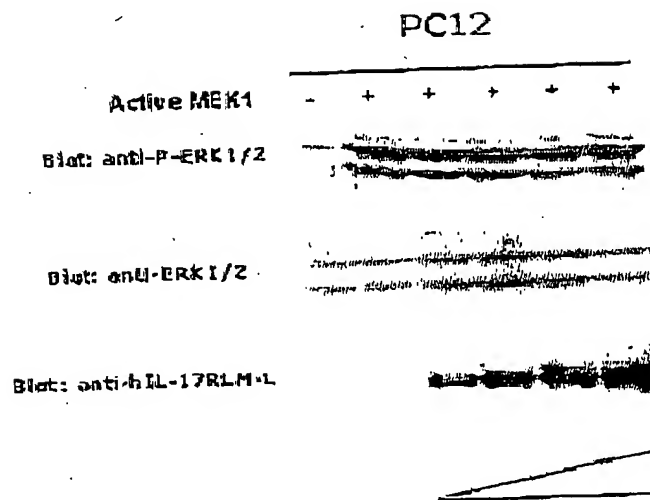
FIG. 7E



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**FIG. 8A**



**FIG. 8B**

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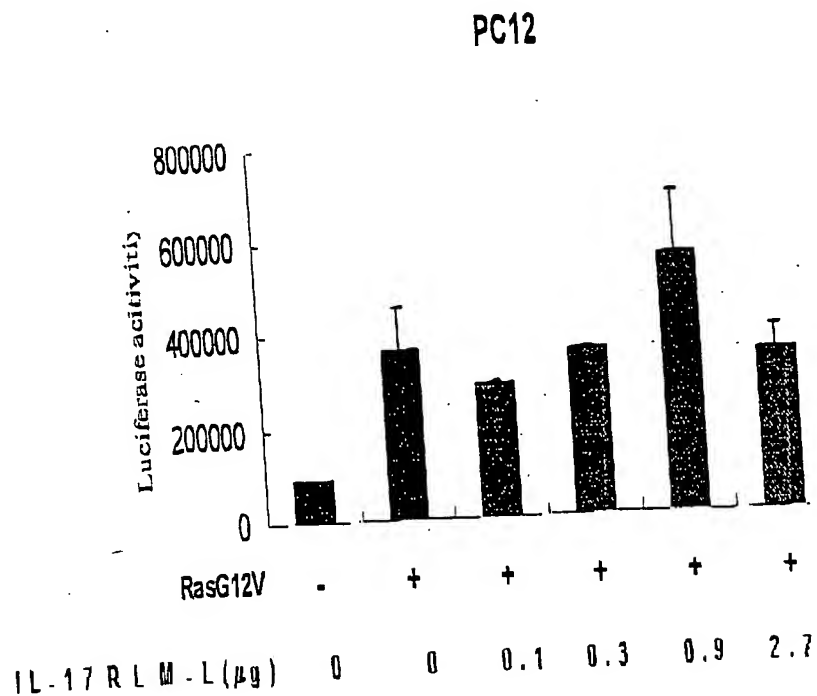


FIG. 8C

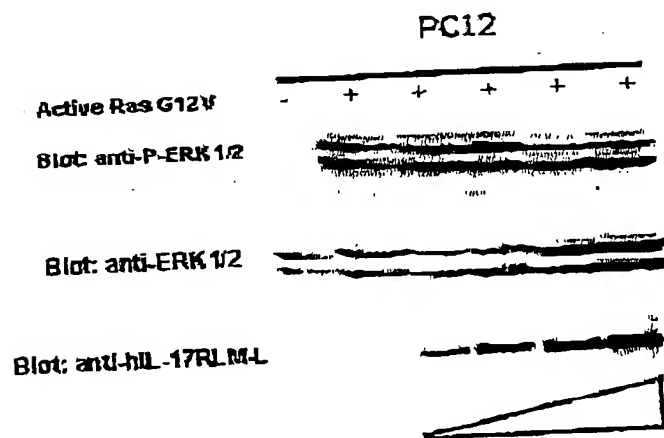
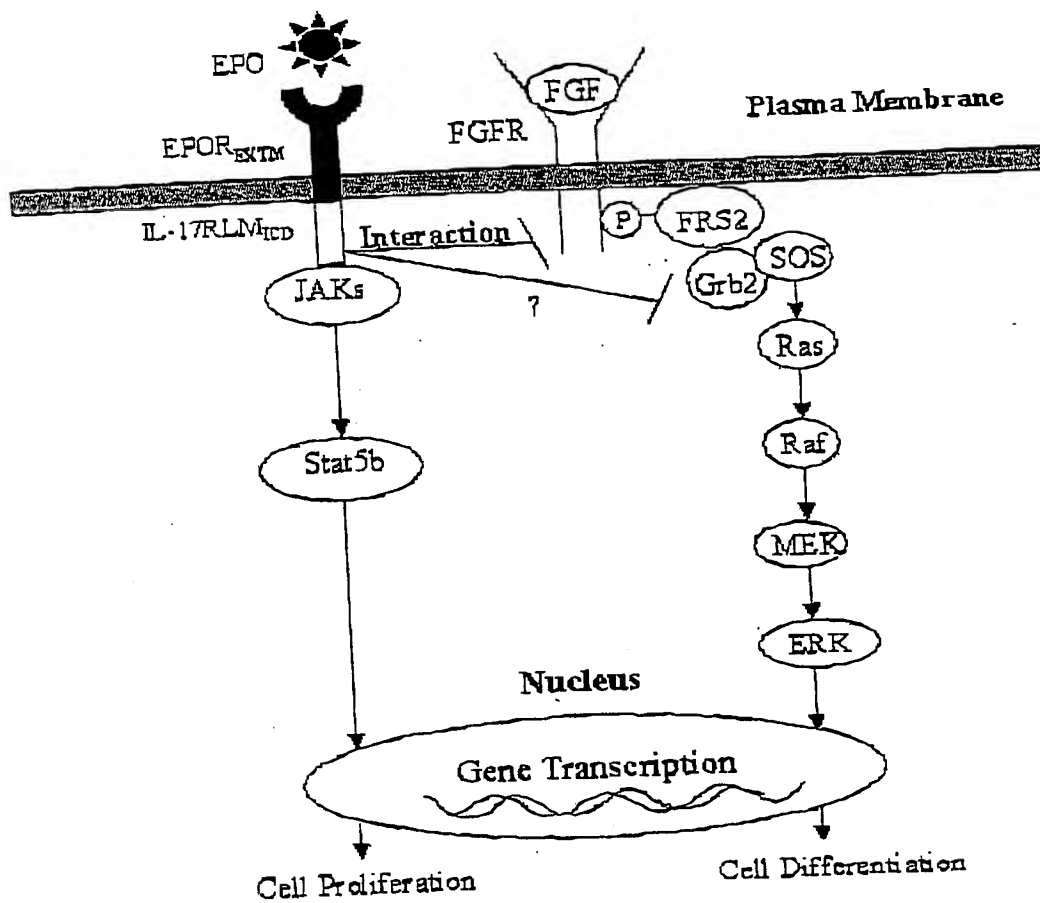


FIG. 8D

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**FIG. 9**